UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/934,886	08/22/2001	Jean Louis Calvignac	RAL920010026US1	8162

26675	7590	10/19/2004

DRIGGS, LUCAS BRUBAKER & HOGG CO. L.P.A.
DEPT. IRA
8522 EAST AVENUE
MENTOR, OH 44060

EXAMINER
ISMAIL, SHAWKI SAIF

ART UNIT	PAPER NUMBER
2155	

DATE MAILED: 10/19/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	09/934,886	CALVIGNAC ET AL.
	Examiner	Art Unit
	Shawki S Ismail	2155

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☐ Responsive to communication(s) filed on <u>22 August 2001</u>.

2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) <u>1-12</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) <u>1-12</u> is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some * c) ☐ None of:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____.

        3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____.

DETAILED ACTION

1.   Claims 1-12 are presented for examination.

Claim Rejections - 35 USC §102

2.   The following is a quotation of the appropriate paragraphs of 35

U.S.C. 102 that form the basis for the rejections under this section made in this

Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

3.   Claims 1-12 are rejected under 35 U.S.C. 102(e) as being anticipated by

Yuan U.S. Patent No. **6,496,704.**

4.   As to claim 1, Yuan teaches a method of operating a network for

transmission of data between users, and wherein said network includes at least

one network processor and at least one coprocessor associated with said

network processor, and wherein said data is passed to said network processor in

data packets, said method comprising:

each of said network processors encapsulating the data in each packet

into a data frame, and wherein said network processor provides a header for the

data in each data frame which includes all the information necessary to direct the

coprocessor to perform all required operations on said data (Fig. 6, also col. 10,

lines 31-47, home agent 128 and MDIS 126),

passing at least some data frames, including the header thereof, from said network processor to said coprocessor associated therewith (Fig. 6, also col. 10, lines 31-47, home agent 128 passes the packet to the and MDIS 126),

performing any operations required by the header in said coprocessor on said data (col. 12, lines 16-43, MDIS performs registration, authentication, routing etc.),

modifying said header information by said coprocessor after performing said required operations (col. 13, lines 4-21, MDIS forwards a decapsulation process to the mobile unit for returning the original packet), and

returning said data frame from said coprocessor to said network processor with said modified header (col. 13, lines 4-21, the data packet travels from the MDIS to the home agent.)

5.   As to claim 2, Yuan teaches the invention as defined in claim 1 wherein all data frames with said created headers are sent to the coprocessor associated with said network processor and said coprocessor returns said data in the order it was received from the network processor (Fig. 6, also col. 10, lines 31-47, home agent 128 passes the frame to the and MDIS 126 and col. 13, lines 4-21, the data packet travels from the MDIS to the home agent.)

6.   As to claim 3, Yuan teaches the invention as defined in claim 1 wherein said network processor can receive data with the modified data header, passing said received data with the modified header to said coprocessor associated therewith, restoring the data from its modified form to its original form in the coprocessor and returning said stored data to the network processor (Fig. 6, also

col. 10, lines 31-47, home agent 128 passes the frame to the and MDIS 126 and

col. 13, lines 4-21, the data packet travels from the MDIS to the home agent.)

7.   As to claim 4, Yuan teaches the invention as defined in claim 3 wherein

there is at least two network processors and each of said processors is

configured to pass data with created headers therebetween (Fig. 6, also col. 10,

lines 31-47, home agent 128 and MDIS 126),

8.   As to claim 5, Yuan teaches the invention as defined in claim 1 wherein

the information for generating said header is contained, at least in part, in said

network processor (col. 10, lines 31-47.)

9.   As to claim 6, Yuan teaches the invention as defined in claim 1 wherein

the information for generating said header is contained, at least in part, in said

data packets (col. 13, lines 16-21).

10.   As to claim 7, Yuan teaches a network for transmission of data between

users comprising:

a network processor and at least one coprocessor associated with said

network processor, said data being passed to said network processor in data

packets (Fig. 6, also col. 10, lines 31-47, home agent 128 passes the packet to

the and MDIS 126);

each of said network processors including programming which

encapsulates the data in each packet into a data frame, including a header for

the data in each data frame, which header includes all the information necessary

to direct the coprocessor to perform all required operations on said data and to

pass at least some data frames, including the header thereof, from said network

processor to said coprocessor associated therewith (Fig. 6, also col. 10, lines 31-47);

programming in said coprocessor to read and perform any operation required by the header on said data (col. 12, lines 16-43, MDIS performs registration, authentication, routing etc.);

programming in said coprocessor to modify said header information after performing said required operations on the data and to return said data frame from said coprocessor to said network processor with said modified header (col. 13, lines 4-21 and col. 13, lines 4-21, MDIS forwards a decapsulation process to the mobile unit for returning the original packet.)

11.   As to claim 8, Yuan teaches the invention as defined in claim 7 wherein said programming in said network processor will send all data frames with said created headers to the coprocessor associated with said network processor, and said programming in said coprocessor will return said data frames in the order they were received from the network processor (Fig. 6, also col. 10, lines 31-47, home agent 128 passes the frame to the and MDIS 126 and col. 13, lines 4-21, the data packet travels from the MDIS to the home agent.)

12.   As to claim 9, Yuan teaches the invention as defined in claim 7 wherein said programming in the network processor can receive data with the modified data header, pass said received data with the modified header to said coprocessor associated therewith, and said programming in said coprocessor can restore the data from its modified form to its original form in the coprocessor and return said restored data to the network processor (Fig. 6, also col. 10, lines

31-47, home agent 128 passes the frame to the and MDIS 126 and col. 13, lines

4-21, the data packet travels from the MDIS to the home agent.)

13.   As to claim 10, Yuan teaches the invention as defined in claim 7 wherein

there is at least two network processors and each of said processors is

configured to pass data with created headers therebetween (Fig. 6, also col. 10,

lines 31-47, home agent 128 and MDIS 126),

14.   As to claim 11, Yuan teaches the invention as defined in claim 7 wherein

the information for generating said header is contained, at least in part, in said

network processor (col. 10, lines 31-47.)

15.   As to claim 12, Yuan teaches the invention as defined in claim 7 wherein

the information for generating said header is contained, at least in part, in said

data packets (col. 13, lines 16-21).

Conclusion

Any inquiry concerning this communication or earlier communications from

the examiner should be directed to Shawki S Ismail whose telephone number is

571-272-3985. The examiner can normally be reached on M-F 8:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Hosain Alam can be reached on 571-272-3978. The fax phone

number for the organization where this application or proceeding is assigned is

703-872-9306.

Information regarding the status of an application may be obtained from

the Patent Application Information Retrieval (PAIR) system. Status information

for published applications may be obtained from either Private PAIR or Public

PAIR. Status information for unpublished applications is available through

Private PAIR only. For more information about the PAIR system, see http://pair-

direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-

free).

Shawki Ismail
Patent Examiner
October 15, 2004

HOSAIN ALAM
SUPERVISORY PATENT EXAMINER